ICE BATH / COLD PLUNGE CHILLER

MANUAL V3.0

Thank You For Choosing Our Products

To ensure proper setup and operation, it is crucial to read this manual carefully. Please reach out to us with any questions.

Warning:

ELECTRICITY CAN BE EXTREMELY DANGEROUS. TO PREVENT ACCIDENTS, IT IS ESSENTIAL TO PRIORITIZE SAFETY. PLEASE BE CAUTIOUS WHEN HANDLING ANY ELECTRICAL SYSTEMS.

Maintenance Note: Mesh filter cleaning cycle： Weekly.

Cartridge filter replacement cycle： Monthly.

1 Precautions

- Before using the chiller, ensure that the local electricity meets the necessary requirements for its operation. Each chiller comes with a label on the back of it outlining its specific power requirements.
- Confirm that the AC socket is properly grounded and test the GFCI before use.
- If there is any electrical issue, discontinue use of the chiller and contact us immediately for help.
- Avoid submerging the chiller in water or exposing directly to the elements, particularly when using it outside. Consider using a waterproof cover for protection in some applications, that doesn't block the sides of the chiller or prevent the fan from circulating air.
- Do not operate the chiller unless you are certain the AC socket is properly plugged in.
- Keep children and body parts away from the chiller at all times, especially when the fan is in use.
- Maintain a well-ventilated environment while using the chiller, with a maximum ambient air temperature of 112 degrees, and a minimum temperature of 33 degrees(unless your chiller has the heating option) .
- Avoid covering or blocking the air inlet or outlet while the chiller is in use and ensure there is enough space around the chiller to allow the chiller to circulate freely.
- If you are using a chiller without the heating option, empty the water if the ambient temperature is below 33 degrees to prevent it from freezing. If your chiller does have the heating option, there are no limitations to the minimum ambient temperature that your chiller can operate in.
- If the power cord or plug is damaged, discontinue use immediately and have it repaired by an electrical professional.

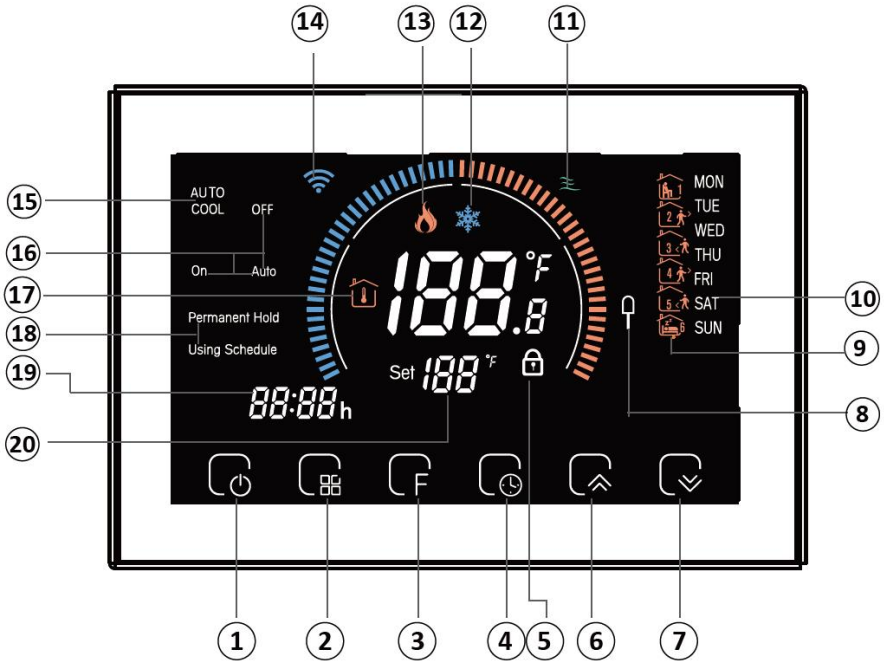
- If your unit ever requires repair, use only a professional appliance repair specialist.
- We cannot be held responsible for any problems resulting from improper installation or abnormal usage.

2 Familiarize yourself with the chiller

Please note that the actual product you received may differ slightly from the descriptions in this manual due to potential product updates.

2.1 Overview

- Handles: Used for carrying or moving the chiller.
- Control panel: Used for displaying information and controlling the chiller.
- Power switch: Used to turn the chiller on and off.
- Metal cover: Can be used to access and repair the chiller, if needed.
- Water strainer: Prevents dust, hair, and other particles from blocking the water loop and damaging the chiller.
- Stands: Stabilize the chiller during use.
- Cooling fan: Circulates air through the chiller, allowing it to cool the water.
- Water hoses: Used to connect and circulate water between the chiller and the tub.
- Power cord: Connects the chiller to an AC outlet to power the chiller.
- Water outlet: Connects the water hose to the inlet of the tub.
- Water inlet: Connects the water hose from the outlet of the tub.
- Perforated air inlet：Allows ventilation into the chiller.
- GFCI: A protection switch for electrical safety. Test this once a week to ensure it‘s operating properly.



① Power ② Ozone swith ③ ℃/℉switchover ④ Clock ⑤ Lock ⑥ Up Button ⑦ Down Button

⑧ Ozone valve opening ⑨ Periods ⑩ Week ⑪ Water flow detection ⑫ Cooling ⑬ Heating

⑭ Wifi ⑮ System mode(AUTO,COOL) ⑯ Ozone three mode icons (OFF-off On-on Auto-ozone)

⑰ Room temp. ⑱ Mode (Manual/Programming) ⑲ Time ⑳ Set temp.

2.2 Control panel

1 . Power Button: Press or hold for 2 seconds to start/stop unit.

2 . Ozone Switch: Press to start/stop Ozone generator.

3 . F Button: Press to switch between Fahrenheit and Celsius..

4 . Time Button: Press to set the chiller to run the program regularly.

5 . To lock/unlock the control panel, hold the UP and DOWN buttons together for 5 seconds.

6 . DOWN button: Press or hold to decrease the temperature or value in setting mode.

7 . U P button: Press or hold to decrease the temperature or value in setting mode.

8 . Ozone Sign: When it shows, Ozone is running.

9 . Periods: Programming logic display.

1 0 . Week: Show the day of the week.

1 1 . **Water flow detection: This indicator displays the flow of water, When this sign does not display, it means that the water flow is small and the mesh filter needs to be cleaned or the cartridge filter element needs to be replaced.**

1 2 . Cooling Sign: Steady light means cooling mode is running, flashing means delay waiting.

1 3 . Heating Sign:Steady light means Heating mode is running, flashing means delay waiting.

1 4 . WIFI information: This indicator displays the connection status of WiFi. Note: WIFI and the app are optional features.

1 5 . MODEL information: IB Series shows Cooling, SPA series shows AUTO

1 6 . Ozone icons : OFF or Auto.

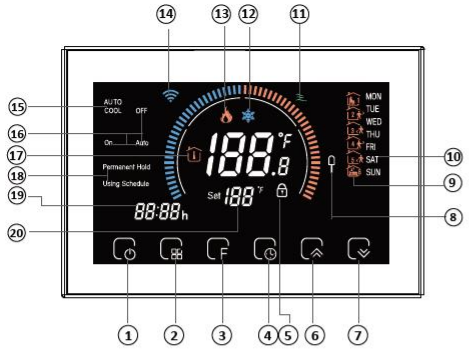
1 7 . Temp: Actual water temperature

1 8 . Mode：Control mode, programming control or temperature control.

1 9 . Time：The current time or the running time after power on.

2 0 . Temp：Set Temperature.

HOME SCREEN QUICK REFERENCE



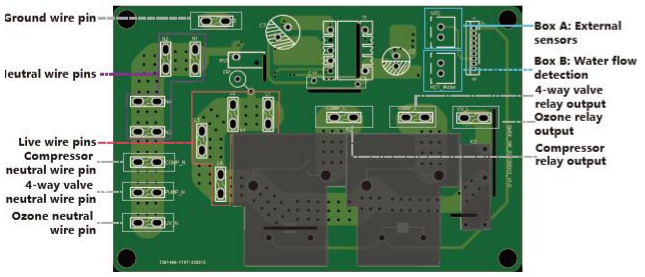
① Power ② Ozone swith ③ ℃/℉switchover ④ Clock ⑤ Lock ⑥ Up Button ⑦ Down Button ⑧ Ozone valve opening ⑨ Periods ⑩ Week ⑪ Water flow detection ⑫ Cooling ⑬ Heating ⑭ Wifi ⑮ System mode(AUTO,COOL) ⑯ Ozone three mode icons (OFF-off On-on Auto-ozone) ⑰ Room temp. ⑱ Mode (Manual/Programming) ⑲ Time ⑳ Set temp.

BEFORE WIRING AND INSTALLIN

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the rathings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.

CAUTION **Electrical Shock or Equipment Damage Hazard. Can shockindividuals or short equipment circuitry. Disconnect power supply before installation.**

WIRING



OPERATION

During Power On

1.Power On/off: Press " " to turn the thermostat on/off.

2.Manual & Programmable

Press , and will flash. Press to select manual and press to select weekly programmable .

3.Setting Temperature

In the mode of manual, press " "to set temperature. will display in below the middle of the screen.

4.Adjusting/Setting the Clock

Press" "to set minute, hour and weekday. By using the" ".

5.Locking your Thermostat

Press and hold the"" "and" "for 5 seconds to lock/unlock your thermostat

In Options 3 of high senior options, you can select full lock or half loc

6.Select the ozone switch

Press " " to select ozone on or off. When connected to the Internet you can select ozone auto mode in the app settings interface.
In this mode, the ozone switch operates according to the ozone start-end setting at the bottom of the interface. Click to enter to set and modify the settings.

7. ℃/℉ Switch

Press " "not to select the ℃/℉ Switch.

8.Adjusting/Setting the Programmable Schedules

Press " "five times in a row. You can see" MON ~ FRI "and " ", the minutes of the time are flashing, press the " " to set the minutes;
Then press " ", the hour of the time is flashing, press " " to set the hour;
Then press " ", the setting temperature is flashing, press " " to set the temperature;
In this way, you have completed the setting of the 1st time period. Repeat the above steps to complete the 2-6th time period from Monday to Friday.
Press " " again to enter Saturday plan setting (SAT will be displayed on the right side of the screen).
Repeat the above process to set the period and temperature. And Sunday timetable.
Press " " again to confirm and exit.

Default settings for program schedule

Time display	MON.-FRI. (①②③④⑤ shows on scteen)		SAT. (⑥shows on scteen)		SUN. (⑦shows on scteen)	
	TIME	TEMP.	ON TIME	TEMP.	ON TIME	TEMP.
Period 1	6:00~8:00	20℃/70℉	6:00~8:00	20℃/70℉	6:00~8:00	20℃/70℉
Period 2	8:00~11:30	15℃/60℉	8:00~11:30	20℃/70℉	8:00~11:30	20℃/70℉
Period 3	11:30~13:00	15℃/60℉	11:30~13:00	20℃/70℉	11:30~13:00	20℃/70℉
Period 4	13:30~17:00	15℃/60℉	13:30~17:00	20℃/70℉	13:30~17:00	20℃/70℉
Period 5	17:00~22:00	22℃/75℉	17:00~22:00	20℃/70℉	17:00~22:00	20℃/70℉
Period 6	22:00~6:00	15℃/60℉	22:00~6:00	15℃/60℉	22:00~6:00	15℃/60℉

In the mode of programmable, set temp., time and timing on/off couldnot be adjusted. A separate schedule may be set for weekdays (Mon – Fri) and for weekends (Sat or Sun).

9.Setting the Functions and Options

When turned off , Press and hold "  " for 5 sec. in the order to reach system function. Then press "  " to scroll through the available functions , and use the "   " arrows to change the available options. All settings are confirmed automatically.

Code	Function	Setting and options	Default
1	Temperature compensation	-9 to 9 ℃(℉)	-3℃/-5℉
2	Screen red line brightness	1-5℃ (℉)	1
3	Button locking	00:All buttons are locked except power button. 01:All buttons are locked.	1
4	Mode select custom	00:Cooling 01:Auto	01
5	Min.set temp.	0-20℃(32-68℉)	3℃/37℉
6	Max.set temp.	20-45℃(68-113℉)	40℃/104℉
7	Display brightness	1-99	04

3 Connecting the chiller to the tub

- Simply connect one end of each hose to the chiller. Ensure that there is an O-ring inside each of the 4 hose end fittings(these should already be in place, and we've included extras in the clear bag along with an extra strainer and a white wrench that can be used to loosen the cartridge filter, if needed) .
- Install the pipe joints as shown in the figure, and tighten the joints on the pipes with hoops.
- Screw the MALE threaded joint into the water inlet and outlet of the chiller as shown in the figure, and wrap the sealing tape to seal before screwing in.
- Connect the hose connected to the INLET port on the chiller to the OUT port on the bathtub. Connect the hose connected to the OUTLET port on the chiller to the IN port on the bathtub. The quick connector snaps tight.
- Make sure to securely tighten all connections .
- Incorrect O-ring installation or any loose/leaky connections can lead to air leakage, which can prevent the chiller from functioning properly.
- Unscrew the clear cartridge filter housing on the back of the chiller, place the cartridge filter in and screw it back in place by hand, but don't tighten yet, this will help water actively prime into the system and Eliminate any air pockets in the water pump circulation system that may be trapped in the cooler.
- Fill the bathtub with water until the water level in the bathtub is above the machine, or water starts to enter the cartridge filter, and tighten the cartridge filter. (After changing the water, if the power supply pump is not running, you can do this to remove the air in the system）

4 Using the chiller

When using the chiller for the first time, please confirm that :

1. The water level in the bathtub is higher than the machine;
2. The highest point of the pipeline connected to the water inlet of the refrigerator is lower than the water level;
3. The water has entered from the water inlet of the refrigerator and flows to the cartridge filter There is no air in the device;

If no water flows from inside the machine to the cartridge filter, please loosen the cartridge filter housing and wait, if there is no water flowing out for a long time, please raise the water level in the bathtub.

4.1. Operating the chiller using the control panel

Start by pressing the GFCI pushbutton switch on the wall outlet the chiller is plugged into to the on or reset position. Next, flip the big red main power switch on the side (or back) of the machine to the on position. Finally, turn the machine on by pressing and holding the On/Off button on the control panel.

(The display screen is on, and the water pump will start to work. If the water pump does not circulate and the water pump makes abnormal noise, it means that there is air in the water inlet pipe, and the air needs to be removed).

4.1.1 Setting the temperature

Press the up or down arrows to increase or decrease the desired temperature. Select the desired temperature.

4.1.2 Setting ozone working time

The ozone function is optional, if your chiller does not have an ozone generator, nothing can be changed. The blue button next to the power switch is the ozone control button. The ozone will work synchronously according to the operation of the compressor. However, if the customer does not need the ozone work, it can be turned off by the blue button.

4.2. Operate the chiller using the smartphone app

To operate the chiller with the smartphone app, follow these steps:

App setup

Ensure that your smartphone is connected only to a 2.4GHz WiFi network and that Bluetooth is turned on. Make sure that your smartphone and the chiller are in the same area with WiFi coverage. The chiller is not programmed to work with 5 GHz WiFi networks.

- Download the app by scan the QD CODE for the app in the App Store or Google Play Store.
- Install the app on your smartphone and create an account (both are required) .
- If prompted, open the app in your browser to download it.

ABOUT WIFI

WI-FI Connection

Before using your Wi-Fi thermostat for the first time, you must configure the Wi-Fi signal and settings using your smartphone or tablet. This enables communication between your devices.

Step 1 Download your APP (Fig1-1)

Fig 1-1 Fig 1-2 IOS Fig 1-3 Android

Search for "Smartlife" in Apple Store or Google Play or use a browser to scan the QR code above (Figure 1-2), and complete account registration and installation according to the guidance of the APP.

Step 2. Connect the thermostat

Method 1: Bluetooth network distribution (Fig 2.1-Fig 2.6)

Turn on the Bluetooth switch of the mobile phone and set the thermostat to the WiFi enabled state (Press and hold the key for 8s when the thermostat is off), see the following tutorial to complete the connection and settings.

Fig2.1

Fig2.2

Fig2.3

Fig2.4

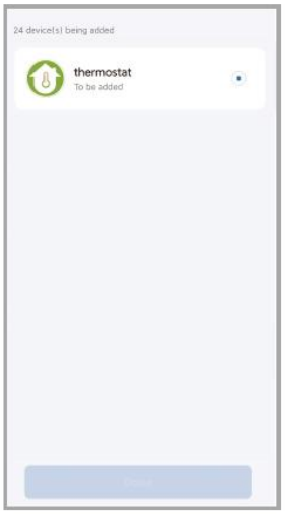


Fig2.5

Fig2.6

Method 2: Scan the QR code to configure the network guide (Fig 2.2 & Fig 2.7-Fig 2.8) complete the connection and setup

Fig2.7

Fig2.8

Scan this QR code

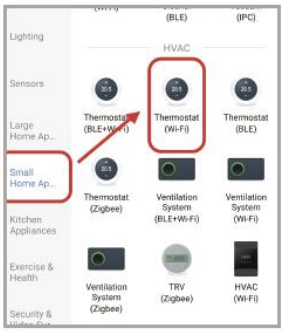


Fig2.7.1

Method 3: Ordinary distribution network guidance (Fig. 2. 2 & Fig. 2.7.1)

Network distribution mode:

1. EZ Mode

Press and hold the " " until the thermostat screen flashes quickly and displays the " " icon, and then operate according to the following figure (Fig 2.9-Fig 2.13).

Fig2.9

Fig2.10

Fig2.11

Fig2.12

Fig2.13

2、AP Mode

When the thermostat is off, press and hold the " " until the thermostat screen flashes slowly and the " " icon is displayed (if the " " icon appears, continue to press the " " until the thermostat screen Flashes slowly and displays the " " icon), and then operate according to the following figure (Fig 2.14-Fig 2.19).

Fig2.14

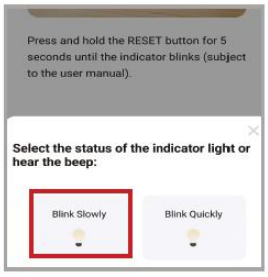


Fig2.15

Fig2.16

Fig2.17

After connecting to this hotspot, return to the "smartlife" APP

Fig2.18

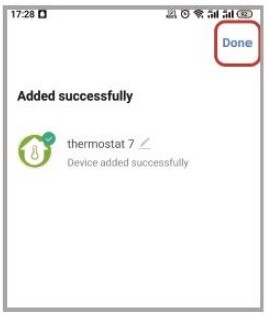
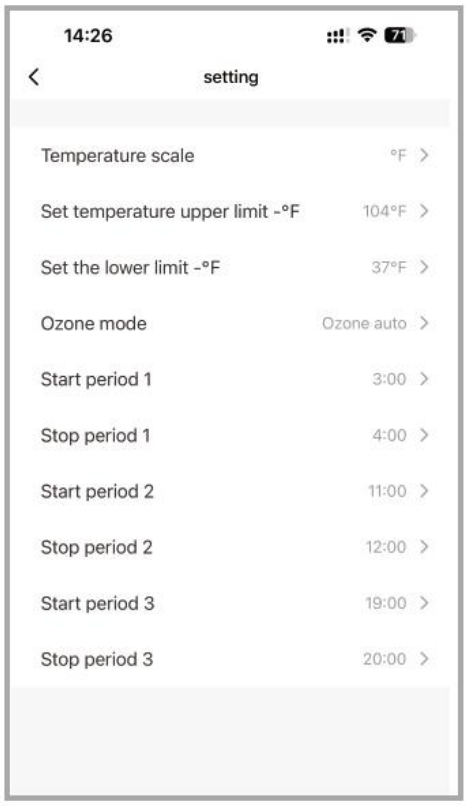


Fig2.19

APP OPERATION INTERFACE DESCRIPTION (FCU THERMOSTAT))

MORE SETTINGS



SIMPLEMENT EXCEPTION HANDLING

No.	Phenomenons	Handling
1	Power is on but without display.	* Check if the terminals between LCD panel and Power Unit Box is loosen.
2	Without output but display works.	* Use a new LCD panel or new Power Unit Box to replace the old one.
3	Room Temp. Is a little different from the actual.	*Do temperature calibration in item 1 of high senior options

SERVICE

Your thermostat carries an 24 months warranty from date of purchase. Service out with the warranty period may incur a charge. More detail please contact with us directly.

Water Maintenance Instructions

Please note: These are general guidelines. You can use chlorine products or any spa cleaner of your choice. We recommend Sirona Spa Care products, but they aren't required.

Initial Setup:

1. Add 3-4 oz(100cc) of oxidizer to the tub.
2. Wait for 15 minutes.
3. Add 0.75-1 oz (20cc) of sanitizer to the tub.
4. Wait for 15 minutes.
5. After 15 minutes, it's safe to enter the tub.

Weekly Maintenance:

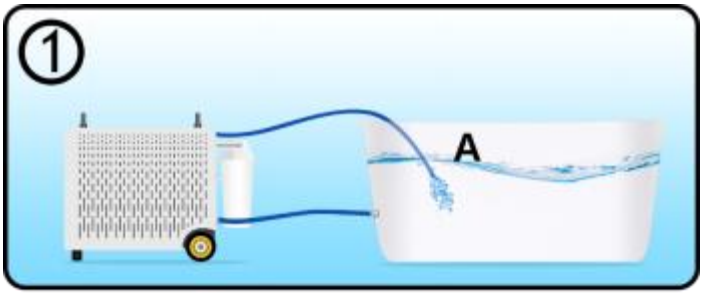
1. Determine the frequency of use for the tub:
    a. If used 5-7 times per week, add 1 oz of oxidizer.
    b. If used more frequently, add 2 oz of oxidizer.
2. Wait for 15 minutes.
3. Dip a test strip into the water, 6 inches deep, for 2 seconds.
4. Remove the strip and shake of excess water.
5. Wait 10 seconds, then compare it to the chart on the back of the test strip container.
6. Add sanitizer as necessary.
7. Wait 15 minutes, then test again. Repeat this process if necessary.

Monthly Maintenance:

1. Turn off the chiller and close the tub valves by turning the handles perpendicular to the valve bodies(if applicable). If your tub/chiller doesn't have closable valves, we recommend raising the chiller to be above the water level of the tub, to minimize the amount of water that spills, or you can cap the hose ends with plugs to prevent spills.
2. Remove the water strainer enclosure by twisting it counterclockwise, and check the inner strainer for debris.
3. Remove any foreign materials present, and use a paper towel or brillo pad if necessary.
4. Check the color of the cartridge filter regularly, and replace it when the color gets to a medium tan color, if not before.
5. To access the filter, turn the filter housing to the left if facing the back of the chiller.
6. Wipe down the tub with a wet towel and mild soap.

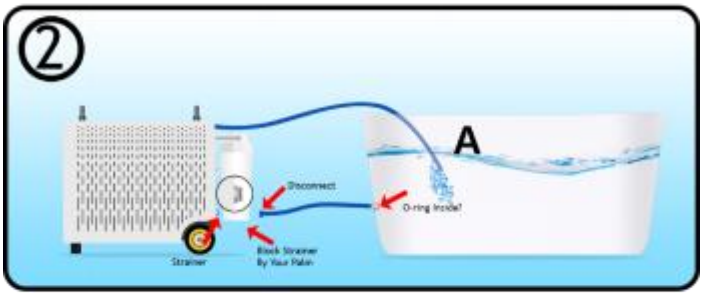
TROUBLESHOOTING INSTRUCTIONS

If the water isn't flowing properly, and the pump is squealing when the power is turned back on, it just means there is a vacuum leak or blockage in the system, which is usually not a very easy fix.
step 1
Always start by turning off the chiller. Check to see if the white cartridge filter is dirty or full of debris. Do the same for the mesh pre-filter, located inside the Y-shaped stainless steel attachment at the front of the chiller water inlet, protected inside by a hex nut (pictured). If the cartridge filter is replaced with a new one. If the mesh pre-filter becomes covered with hair or debris, wash it in the sink using a brush or Brillo pad. When replacing the cartridge filter housing and pre-filter housing, make sure the o-rings are intact. Tighten all hoses and fittings on the system making sure nothing is loose. Turn the chiller back on and see if the water is flowing properly. This will allow the chiller to run again in the vast majority of cases.
step 2
If the installation is complete and the power button is turned on, the water still cannot circulate normally and the water pump makes abnormal noises, please turn off the power again, loosen the shell of the cartridge filter, and place the machine below the water level in the bathtub, and ensure that the water inlet pipe All parts are below the water level line, wait for the water to flow out from the inside of the machine automatically, and turn on the power again. This will allow the chiller to run again in the vast majority of cases. If it still does not work, or there is no sound, please contact our technical service hotline.



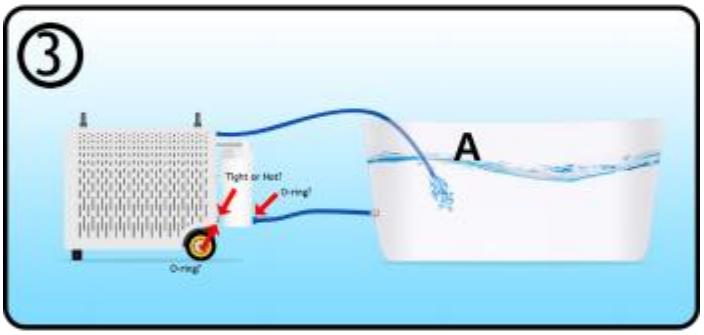
Disconnect the outlet hose of the chiller from the tub, place it into water, and turn on the chiller. Check for any air bubbles coming from point A.

- *If there are no air bubbles, please let us know.*
- *If there are many air bubbles, proceed to the next step.*



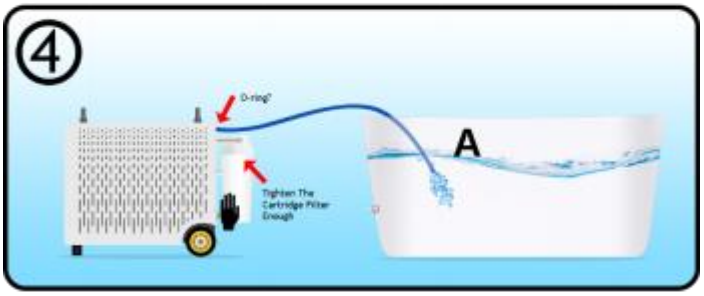
Disconnect the outlet hose from the mesh pre filter housing and then block the end of the housing using your palm and turn on the chiller. Check for any air bubbles coming from point A.

- *If there are no air bubbles, the problem is with the connector.*
- *Check if the o-ring is present and properly placed inside the connector.*
- *If the o-ring is there and not damaged or pinched proceed to the next step.*



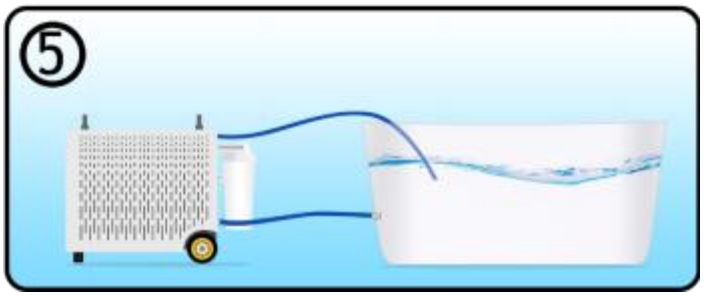
Disconnect the mesh pre filter housing and mesh pre filter and then block the inlet connector using your palm. Check for any air bubbles coming from point A.

- *If there are no air bubbles, the strainer has a leakage problem. Check the o-rings and tighten each component. Be sure to clean the mesh pre filter.*
- *If there are air bubbles, proceed to the next step.*



Check the cartridge filter. Check the o-ring at the top of the housing and ensure that the housing is tight.
Block the inlet by using your palm again to check for any air bubbles coming from point A.

- *If there are no air bubbles, the problem should be resolved.*
- *If there are still air bubbles, please contact us for the next steps.*



Reattach the mesh pre filter housing and the hose and turn the chiller back on to see if water is not flowing normally.